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real time memory allocator

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DE Kirk - Real Time Systems Symposium, 1989., Proceedings., 1989 - ieeexplore.ieee.org

Page 1. SMART (Strategic Memory Allocation for Real-Time) Cache Design David

B Kirk Department of Electrical and Computer Engineering ...

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TLSF: A new dynamic memory allocator for real-time systems

M Masmano, I Ripoll, A Crespo, J Real - Real-Time Systems, 2004. ECRTS 2004. Proceedings 16th - ieeexplore.ieee.org

... TLSF: a new dynamic memory allocator for real-time systems Masmano, M. Ripoll, I. Crespo, A. Real, J. Univ. Politecnica, Valencia, Spain; ...

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The real-time specification for Java- ► rice.edu [PDF]

G Bollella, J Gosling - Computer, 2000 - ieeexplore.ieee.org

... Traditional programming languages use manual **allocation** in which ... The one immortal **memory pool** and all objects ... practice in today's hard **real-time systems** ...

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[PDF] ► Real-time Mach: Towards a predictable real-time system

H Tokuda, T Nakajima, P Rao - Proceedings of USENIX Mach Workshop, 1990 - citeseerx.ist.psu.edu

... at the design stage and predict whether the given **real-time tasks** having various types of system and task interactions (eg, **memory allocation/deallocation**, mes ...

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[PS] ► Non-compacting memory allocation and real-time garbage collection

MS Johnstone, PR Wilson - 1997 - cs.utexas.edu

... quite dramatic, and that the best **allocation** policies in ... and virtual **memory** levels of the **memory hierarchy**. ... and locality results to **real-time garbage collection** ...

Cited by 51 - Related articles - View as HTML - Web Search - Library Search - All 8 versions

A real-time garbage collector with low overhead and consistent utilization ► ibm.com [PDF]

DE Bacon, P Cheng, VT Rajan - ACM SIGPLAN Notices, 2003 - portal.acm.org

... Other **real-time** collectors have used a similar approach. ... **Allocation** is performed using segregated free lists ... **Memory** is divided into fixed-sized pages, and each ...

Cited by 190 - Related articles - Web Search - BL Direct - All 20 versions

An implementation of scoped memory for Real-Time Java- ► mit.edu [PDF]

WS Beebe, M Rinard - Lecture Notes in Computer Science, 2001 - Springer

... augmented to use the **Real-Time Java** features. ... creates a new variable **time allocation** **scoped memory** ... the constructors described in the **Realtime Java** specification ...

Cited by 57 - Related articles - Web Search - BL Direct - All 29 versions

A proportional share resource allocation algorithm for real-time, time-shared systems- ► psu.edu [PDF]

I Stoica, H Abdel-Wahab, K Jeffay, SK Baruah, JE ... - 17th IEEE Real-Time Systems Symposium, 1996., 1996 - ieeexplore.ieee.org

... Abstract We propose and analyze a proportional share re- source **allocation** algorithm for realizing **real-time** per- formance in time-shared operating systems. ...
Cited by 302 - Related articles - Web Search - All 16 versions

The Treadmill: Real-time garbage collection without motion sickness- ►kfupm.edu.sa [PDF]
HG Baker - ACM Sigplan Notices, 1992 - portal.acm.org
... Robson, JM "Storage **Allocation** is NP-Hard" ... and Strategies in Heap Management and Memory Hierarchies ... Yuasa, T. "Real-Time Garbage Collection on General-Purpose ...
Cited by 132 - Related articles - Web Search - All 11 versions

[CITATION] A high-performance hardware-assisted **real-time** garbage collection system
KD Nilsen, WJ Schmidt - Journal of Programming Languages, 1994
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Key authors: D Schmidt - A Appel - H Baker - K Nilsen - P Cheng

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